

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: September 9, 1993  
 Date Received: September 7, 1993  
 Project: 7238, Metro 48 hr Monitor, PO# M30746  
 Date Samples Extracted: September 7, 1993  
 Date Extracts Analyzed: September 8, 1993

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
 FOR CHROMIUM, COPPER, NICKEL, ZINC**

**Samples Processed Using Method 3005**

Results Reported as ~~µg/L (ppb)~~ *mg/L (ppm) BTB 9/2/93*

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M30746	0.8	0.35	0.5	<0.05

**Quality Assurance**

Blank	<0.05	<0.05	<0.05	<0.05
M30746 (Duplicate)	0.8	0.36	0.5	<0.05
M30746 (Matrix Spike) % Recovery	87%	90%	87%	87%
M30746 (Matrix Spike Duplicate) % Recovery	92%	92%	91%	92%
Spike Blank % Recovery	92%	93%	90%	89%
Spike Level	5	5	10	5

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

**Date of Report: September 9, 1993**

**Date Received: September 7, 1993**

**Project: 7238, Metro 48 hr Monitor, PO# M30746**


**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR pH**

<u><b>Sample #</b></u>	<u><b>pH</b></u>
<b>M30746</b>	<b>11.1</b>


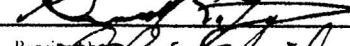
<u><b>Qualtiy Assurance</b></u>	
<b>M30746</b>	<b>11.1</b>

9-BTB-E  
9-7-93  
10:53AM

Send Report To: ALASKAN COPPER WORKS Contact Gerrell Thompson  
Company P.O. BOX 3540  
Address SEATTLE, WA. 98124  
City, State, Zip (206) 423-5800  
Phone # 9-7-93  
Date

SITE NO.	PROJECT NAME	PURCHASE ORDER #
7238	METRO <sup>48 hr</sup> <del>SE</del> MONITOR	M 30746
SAMPLERS (signature)	PROJECT LOCATION	
	3200 G <sup>th</sup> AVE. SOUTH	
REMARKS	SAMPLE DISPOSAL INFORM.	
	<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions	

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	Gerald Thompson	ALUMINUM CORNER WORKS		
Received by: 	CR HICKS	F&B, INC	9.7.93	10:53 AM
Relinquished by:				
Received by:				



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3008-B 16th Avenue West  
Seattle, WA 98119  
FAX: (206) 283-5044

**September 9, 1993**

**DUPLICATE COPY**

**INVOICE # 93ACU0909-2**

Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project 7238, Metro 48 hr Monitor, PO# M30746: Results of testing  
requested by Gerald Thompson, Project Leader and submitted on September  
7, 1993.

1 water sample analyzed for  
Chromium, Copper, Nickel, Zinc  
@ \$65 per sample

\$ 65.00

1 water sample analyzed for pH  
@ \$10 per sample

10.00

Amount Due .....

\$ 75.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3008-B 16th Avenue West  
Seattle, WA 98119  
FAX: (206) 283-5044

September 9, 1993

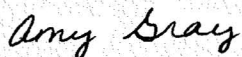
Gerald Thompson, Project Leader  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on September 7, 1993 from Project 7238, Metro 48 hr Monitor, PO# M30746.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,



Amy M. Gray  
Chemist

AMG/sao

Enclosures